

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-10. (Canceled).

Claim 11 (Currently Amended): A liquid crystal display device, comprising:

a first substrate ;

a second substrate opposing the first substrate;

at least a sealant along a periphery of one of the first and second substrates;

a liquid crystal layer between the first and second substrates, the liquid crystal layer having a photo-reactant material and a liquid crystal material,

wherein the photo-reactant material and the liquid crystal material form a polymer network, the polymer network including the photo-reactant material and the liquid crystal material are aligned in a first direction without distinction of layer by irradiated an ultraviolet light in curing the sealant,

wherein the first substrate includes two electrodes in each pixel to supply an electric field in a horizontal direction between two electrodes to the liquid crystal layer,

wherein, when no voltage is applied across the two electrodes, the photo-reactant material and the liquid crystal ~~interact~~ are aligned in a the first direction and, when a voltage is applied across the two electrodes, the liquid crystal and photo-reactant material are arranged by according to the applied electric field in the horizontal direction, and

wherein, when the voltage is not applied across the two electrodes, the polymer network increases a restoring force to restore the liquid crystal.

Claim 12 (Original): The device according to claim 11, wherein the sealant includes an ultraviolet hardening sealant.

Claim 13 (Original): The device according to claim 11, wherein the sealant includes an ultraviolet and thermo-hardening sealant.

Claim 14 (Original): The device according to claim 11, wherein the photo-reactant material includes one of a photo-reactive polymer and a photo-reactive oligomer.

Claim 15 (Original): The device according to claim 11, further comprising an alignment layer on at least one of the first and second substrates.

Claim 16 (Canceled).

Claim 17 (Original): The device according to claim 11, further comprising a spacer on at least one of the first and second substrates.

Claim 18 (Previously Presented): The device according to claim 17, wherein the spacer includes a column spacer.

Claims 19-21. (Canceled).

Claim 22 (Previously Presented): The device according to claim 11, wherein the photo-reactant material remains uncured.

Claim 23 (Canceled).